



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200
Fax 613 632-5246

Print

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name
P0041171	ACI001-VC	1	1	Net 30	M17-4-R0.375	17-4 SS Round Bar .375" : 17-4 PH / S17400 / TYPE 630 SS ROUND BAR PER AMS 5643/ ASTM A564 GRAIN MUST BE ALONG LENGTH OF BAR MINIMUM YIELD TENSILE STRENGTH = 100 KSI MINIMUM ULTIMATE TENSILE STRENGTH = 150 KSI receive ft				12	10/9/2018	12		S119705	Stock	10/18/2018	\$ 5.17 / ft	1		\$62.08	Acier Ouellette Inc.
		4			M303B1.500X3.500	303 Bar 1.500" X 3.500" : MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft				4		4		S119738	Stock	10/18/2018	\$ 328.75 / ft	1		\$1,315.00	Acier Ouellette Inc.
										Total:		16								\$1,055.69	

Plex 10/19/2018 9:07 AM dart.Tollis.Andrew



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO041171

Supplier: ACI001-VC
Acier Ouellette Inc.
935 Boul. Du Havre
Valleyfield
QC
J6S 5L1 Canada
Phone: 800 667 4248
Fax: 450 377 5696

PO No: PO041171

PO Date: 9/27/18

Due Date: 10/11/18

**Purchase Order
Revision:**

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com



Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pynt Terms: Net 30

Freight Terms:

Special Comments: QUOTE NO. SOU0134446

Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1		M17-4-R0.375		17-4 SS Round Bar .375" : 17-4 PH / S17400 / TYPE 630 SS ROUND BAR PER AMS 5643/ ASTM A564 GRAIN MUST BE ALONG LENGTH OF BAR MINIMUM YIELD TENSILE STRENGTH = 100 KSI MINIMUM ULTIMATE TENSILE STRENGTH = 150 KSI receive ft	Firmed	-	10/15/18	12 ft	0 ft	12 ft	\$5.1733/ft	\$62.08
2		M303R0.500		303 Round Bar 0.500" : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE receive ft	Firmed	-	10/4/18	24 ft	0 ft	24 ft	\$2.3408/ft	\$56.18
3		M303R0.750		303 Round Bar 0.750" : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE receive ft	Firmed	-	10/4/18	36 ft	0 ft	36 ft	\$5.406388/ft	\$194.63
4		M303B1.500X3.500		303 Bar 1.500" X 3.500" : MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft	Firmed	-	10/15/18	4 ft	0 ft	4 ft	\$328.75/ft	\$1,315.00



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO041171

Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
5 AT		M6061T6B1.000X06.000		6061T6 Bar 1.00 X 6.00 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	-	10/4/18	36 ft	0 ft	36 ft	\$28.1925/ft	\$1,014.93
								36 ft			AT 18/10/04	
6 AT		M6061T6B2.500X01.500		6061-T6 Bar 2.50 X 1.50 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	-	10/4/18	12 ft	0 ft	12 ft	\$17.1595/ft	\$205.91
								12 ft			AT 18/10/04	
7 AT		M6061T6B2.000X02.000		6061-T6 Bar 2.00 X 2.00 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	-	10/4/18	12 ft	0 ft	12 ft	\$17.8658/ft	\$214.39
								12 ft			AT 18/10/04	
8 AT		M1018R2.500		M1018R2.500 : MATERIAL: AISI 1018-1025 ROUND BAR M1010S20GA AS PER MIL-S-7097 OR ASTM A108	Firmed	-	10/4/18	10 ft	0 ft	10 ft	\$21.521/ft	\$215.21
								10-50 ft			AT 18/10/04	
9 AT		MT-4140QT-R1.750		AISI 4140 Quenched & Tempered Steel Round Bar 1.750" Dia. : AISI 4140 Q&T Round Bar : MAT'L: AISI 4130 QUENCHED & TEMPERED ROUND BAR AS PER ASTM 4140 QT OR ASTM 4142 QT	Firmed	-	10/15/18	12 ft	0 ft	12 ft	\$27.9166/ft	\$335.00
								12 ft			AT 18/10/16	



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO041171**

Items												
Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
10		MT-HRS-R-5.000 ASTM A29 GRADE A572 BS A36/A572 BS mike		Hot Rolled Steel Round Bar 5.000" Dia. : MATERIAL: HOT ROLLED STEEL ROUND BAR ASTM A36 OR ASTM A1011 OR 44W OR ASTM A1018	Firmed	-	10/4/18	4 ft 4 ft	0 ft	4 ft	\$83.8275/ft	\$335.31
Grand Total:												\$3,948.64

Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 9/27/18 1:25 PM dart.lavoie.chantal

**ACIER OUELLETTE INC.**

935, Boul. du H  vre
Salaberry de Valleyfield (Qu  bec) J6S 5L1
T  l.: 450-377-4248 M  l: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 M  l: 514-336-4246 Ext.: 866-456-4242

Quotation**SOU0134446****Billed to**

DART AEROSPACE LTD
1270 , ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

1270 , ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Att : CHANTAL LAVOIE T  l.: 613-632-5200

Customer N  

CLI0001056

Date

2018/09/21

Revision N  

0

Prices valid until**2018/09/28****Your Order N  ****Processed by**

Denis Quenneville

Salesman

STEPHANIE

Carrier

OUELLE SDV

Credit Terms

Net 30 Days

Page

1

Product N�� and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
ROUND SS 3/8 17-4PH RANDOM NS RSS-38174PH 9168 1 X 12' R/L 7-10 DAYS	4.51	12.00	PI_\$CLB	12.00	PI		1.00	62.080	62.08
							5.1733 \$		
ROUND STAINLESS 1 1/2 17-4 RANDOM NS RSS-112174-V 8868 1 X 12' R/L COND. H1150 7-10 DAYS	71.15	12.00	PI_\$CLB	12.00	UN_\$UN		1.00	886.470	886.47
							73.8725 \$		
ROUND SS 2 17-4 NS RSS-2174 10131 1 X 12' R/L COND. H1150 7-10 DAYS	128.16	12.00	PI_\$CLB	12.00	UN_\$UN		1.00	1 299.480	1 299.48
ROUND SS 2 17-4 NS RSS-2174 10131 2 X 12' R/L COND. H900 7-10 DAYS	256.32	24.00	PI_\$CLB	24.00	UN_\$UN		2.00	1 640.385	3 280.77
FLAT BAR SS 17-4 PH ASTM A564 1-1/4 X 2 N 1 X 12' R/L 7-10 DAYS	0.00	1.00	UN	1.00	UN		1.00	1 175.000	1 175.00
SHEET SS 18G SS304-2B (4 X 8) FESS-18G483042B 3425 4 X 4' X 8' STOCK	268.80	128.00	PI2_\$CLB	4.00	UN		4.00	243.902	975.61
SKID (4 X 8) SK-48 10048	0.00	1.00	UN_\$UN	1.00	UN_\$UN	40.00			40.00
FLAT SS 1/2 X 2 1/2 SS304 (R) FSS-12212 8302 1 X 12' R/L STOCK	51.48	12.00	PI_\$CLB	12.00	PI		1.00	186.850	186.85
							15.5708 \$		
ROUND SS 1/2 303 (R) RSS-12303 5727 2 X 12' R/L STOCK	16.01	24.00	PI_\$CLB	24.00	PI		2.00	28.090	56.18
							2.3408 \$		
ROUND SS 3/4 303 (R) RSS-34303 5761 3 X 12' R/L STOCK	54.07	36.00	PI_\$CLB	36.00	PI		3.00	64.876	194.63
							5.406388 \$		

D-5033-#

Date :

Next Page...



ACIER OUELLETTE INC.

935, Boul. du H vre
Salaberry de Valleyfield (Qu bec) J6S 5L1
T l.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Quotation

SOU0134446

Billed to

DART AEROSPACE LTD
1270 , ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

1270 , ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Att : CHANTAL LAVOIE T l.: 613-632-5200

Customer N 

CLI0001056

Date

2018/09/21

Revision N 

0

Prices valid until

2018/09/28

Your Order N 

Processed by

Denis Quenneville

Salesman

STEPHANIE

Carrier

OUELLE SDV

Credit Terms

Net 30 Days

Page

2

Product N� and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
FLAT SS303 1-1/2 X 3-1/2 N 1 X 4' 7-10 DAYS	0.00	1.00	UN	1.00	UN		1.00	1 315.000	1 315.00
FLAT ALU 1 X 6 6061-T6 * FAL-16 2536 3 X 12' STOCK	253.76	36.00	PI_\$CLB	36.00	PI		3.00	338.310	1 014.93
FLAT ALU 1 1/2 X 2 1/2 6061-T6 * FAL-112212 2439 SAW CUT SCIE 1 1 X 12' STOCK	52.87	12.00	PI_\$CLB	12.00	PI		1.00	205.890	205.89
SQUARE ALU 2 6061-T6 * CAL-2 1785 SAW CUT SCIE 1 1 X 12' STOCK	56.45	12.00	PI_\$CLB	12.00	PI		1.00	214.390	214.39
SQUARE ALU 4 1/2 6061-T6 NS CAL-412 9957 2 X 6' 3-4 DAYS	291.60	12.00	PI_\$CLB	12.00	UN \$UN		2.00	1 122.585	2 245.17
ROUND CR 1 3/4 1018 (R) RCR-134 5273 1 X 20' R/L STOCK	163.60	20.00	PI_\$CLB	20.00	PI		1.00	206.050	206.05
ROUND CR 2 1/2 1018 (R) RCR-212 5299 SAW CUT SCIE 1 1 X 10' STOCK	166.90	10.00	PI_\$CLB	10.00	PI		1.00	215.210	215.21
ROUND CR 2 1/2 1018 (R) RCR-212 5299 1 X 20' R/L STOCK	333.80	20.00	PI_\$CLB	20.00	PI		1.00	420.420	420.42

cut in 2 pcs
section of 10' +

328.75

28.1925\$

17.1595\$

17.8658\$

21.521\$

21.021\$

Date :

Next Page...

**ACIER OUELLETTE INC.**

935, Boul. du Havre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Quotation**SOU0134446****Billed to**

DART AEROSPACE LTD
1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Customer N°

CLI0001056

Date

2018/09/21

Revision N°

0

Prices valid until

2018/09/28

Your Order N°**Processed by**

Denis Quenneville

Salesman

STEPHANIE

Carrier

OUELLE SDV

Credit Terms

Net 30 Days

Page

3

Product N° and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
4140 Q&T 1-3/4"Ø N 25.8333 \$ 1 X 6' 7-10 DAYS	0.00	1.00	UN	1.00	UN		1.00	185.000	185.00
4140 Q&T 1-3/4"Ø N 27.9166 \$ 1 X 12' 7-10 DAYS	0.00	1.00	UN	1.00	UN		1.00	335.000	335.00
ROUND TOOL STEEL 2 1/2 H13 NS RH13-212 9526 1 X 6' 7-10 DAYS	102.00	6.00	PI \$CLB	6.00	UN \$UN		1.00	606.900	606.90
ROUND HR 5 * RHR-5 5102 SAW CUT SCIE 1 1 X 4' 3-4 DAYS	267.04	4.00	PI \$CLB	4.00	PI		1.00	335.310	335.31
FUEL CHARGE FRAIS_ENERGETIQUE			\$						3.95

Total Weight (Lbs) 2 538.52**Important**

This offer is based on the availability, the price of material can change without notice in function of the evolution of the current market prices and international importation fees.
This offer is subject to credit approval.

Approved and Accepted by :

Date :

Sub-total

15 460.29

TVH-13 · · 2009.84

Total (\$CAD)**17 470.13**



ACIER OUELLETTE INC.

935, Boul. du Havre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

DELIVERY - CLIENT

Copy

CO00112384

Billed to

DART AEROSPACE LTD

1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Instruction F-M

Delivery Route 5

Customer N° CLI0001056

Date 2018/09/27

Delivery date 2018/10/09

Your order N° PO041171

Processed by Stephanie Dignard

Salesman

Carrier OUELLETTE VALLEYFIELD

Credit Terme Net 30 Days

Product Description	Weight	Qty	UM	PCS NB			Internal Use Only			
				CMD	EXP	B/O	IN	I	S	C
1 ROUND SS 3/8 17-4PH RANDOM NS RSS-38174PH 1 X 12' R/L AC20148-SM-2018/10/08 Heat : 274375 H	4.51	12.00	PI_\$CLB		1x12					
2 PLATE SS 1 1/2 SS303 HRAP NS PSS-112303 1 X 3-1/2" X 48" AC20148-SM-2018/10/08 Heat : 302859 H	74.73	1.17	PI2_\$CLB		1x48					

Conditions :

All sold and delivered materials remain the property of "Acier Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Total Weight (Lbs) : 79.24

NIR : R-109516-6

Prepared By :

Verified By :

Delivered By :

Time

Y M D

Customer's Signature

Date

Certificate of Mill Test Results

Date: 10/12/18

Inv: 1387243

Heat: 274375

STNLS ROUND BAR SRB 17.4.375" x 12"RANDOM



Acciaierie Valbruna S.p.A.

30100 VICENZA (Italia) - Viale della scienza, 26 z.l.
Telefono 0444.988211 - Fax 0444.983838
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4/37
Telefono 0471.924111 - Fax 0471.924497

M105149 L152074

CERTIFICATO DI COLLAUDO - ABNAHMEPRUEFZEUGNIS - INSPECTION CERTIFICATE - CERTIFICAT DE RECEPTION

In conformità a: EN 10204 (2004), 3.1 / ISO 10474 (2013), 3.1

Certificato nr. MEST213476 / 2018 /
Prüfung/Exam/Exam

Cliente / Besteller/Kunden/Client
VALBRUNA STAINLESS INC.
2400 TAYLOR STREET WEST
46801 - FORT WAYNE, IN 46801 - US

Stato di fornitura: Hot rolled - COND. A Centerless
Lieferzustand: Ground
Dürrzustand: Ground
Etat de livraison: Ground

Produttore:
Hersteller/Hersteller/Hersteller

ACCIAIERIE VALBRUNA S.P.A.

Ordine nr: 56970 STOCK POMPTON
Bestell-Nr.: 56970
Your order: 56970
Commande: 56970

Tipi di Elaborazione: E+AOD
Erweiterungen:
Melting process:
Métode d'élaboration:

Marchi di Fabbrica:
Zeichen des Unternehmens:
Trade marks:
Signes de l'usine productrice:



Conferma ordine nr: E17013408
Werkstoff-Order/Nr.:

Qualità: 630
Werkstoff-Grade/Qualität:

Punzone del Collaudo:
Stempel des Werkschweißprüfers:
Inspector's stamp/Stampen des Inspecteur:

MR

Avviso di Spedizione: D-VI16008998
Lieferanweisung/Spedition:

Marca: V174
Markenbezeichnung:
Dreht-/Namen:

Punzonatura: 630
Kesselschweißung:
Markierung:
Markierung:

SPECIFICHE:	Note:
Anforderungen / Requirements / Ergänzungen	Anforderungen / Notes / Details
VSI 2 630 A	
AISI 630	
AMS 2303 F.	
AMS 5643 V S17400 A	
AMS-F-8975 B NOVEMBER 2010	
ASME SA564 2015 S17400 A (0)	(0) SECTION II PT. A 2015 EDITION
ASTM A370 2017	
ASTM A564 2013 S17400 A	

Tolleranze: ASTM A484-10 TABLE 7							
Tolerances: ASTM A484-10 TABLE 7							
Pos. nr.	Oggetto	Dimensioni - in	Lunghezza - in	Colata	Pezzi	Peso - LB	Lotto nr.
Pos. Nr.	Objekt	Dimensionen	Length	Cast	Pieces	Weight	Lot No.
0040	Round	0.3750	144/ 148	274375		1.987	712912330

TEST ALLO STATO DI FORNITURA									
Test on delivery condition / Prüfung auf Lieferbedingung / Test à l'état de livraison / Prueba sobre el material así como entregado									
TEST	Prova/Prüfung	Prova/Prüfung	Prova/Prüfung	Prova/Prüfung	Prova/Prüfung	Prova/Prüfung	Prova/Prüfung	Prova/Prüfung	Prova/Prüfung
TEST	Prova/Prüfung	Prova/Prüfung	Prova/Prüfung	Prova/Prüfung	Prova/Prüfung	Prova/Prüfung	Prova/Prüfung	Prova/Prüfung	Prova/Prüfung
Valori richiesti	min	max							
A									363

TEST ALLO STATO DI FORNITURA			
Test on delivery condition / Prüfung auf Lieferbedingung / Test à l'état de livraison / Prueba sobre el material así como entregado			
TEST	min	max	
A Delta Ferrite		5,0	1,4 %
A Grain size for ASTM E112		7	
A RATINGS FREQUENCY	1,10	0,28	
A RATINGS SEVERITY	1,05	0,14	

Vicenza, 06/03/18 VCO008 - MEST213476 (Mod. MCE2)	Il collaudatore di stabilimento / der Werksechverständige / Works Inspector / L'agent d'usine M. RIZZOTTO	Pagina - 1 di 3
---	---	-----------------

heat: 274375

Certificate of Mill Test Results

Date: 10/12/18

Inv: 1387243

Heat: 274375

STNLS ROUND BAR SRB 17-4 .375" x 12"RANDOM



Acciaierie Valbruna S.p.A.

36100 VICENZA (Italia) - Viale della scienza, 25 z.l.
Telefono 0444.062111 - Fax 0444.903836
Stab.: 36100 BOLZANO (Italia) - Via A. Volta, 4/37
Telefono 0471.924111 - Fax 0471.924407

CERTIFICATO DI COLLAUDO - ABNAHMEPRUEFZEUGNIS - INSPECTION CERTIFICATE - CERTIFICAT DE RECEPTION

In conformità a: EN 10204 (2004), 3.1 / ISO 10474 (2013), 3.1

Certificato nr. MEST213476 / 2018 /

Cliente / Esattore/Purchaser/Client
VALBRUNA STAINLESS INC.
2400 TAYLOR STREET WEST
46801 - FORT WAYNE, IN 46801 - US

Stato di fornitura
Lieferzustand
Delivery state
Etat de livraison

Hot rolled - COND A Centerless
Ground

Produttore:
Hersteller/Hersteller producente

ACCIAIERIE VALBRUNA S.p.A.



Marchi di Fabbrica:
Zeichen des Lieferanten
Trade marks
Sigle de l'usine productrice

Punzone del Collaudatore:
Stempel des Werkstattsverfertigers
Inspector's stamp/Emboss of the factory

MR

Punzonatura: 630
Klopzeichnung
Marking
Marquage

Ordine nr. 56970 STOCK POMPTON

Tipo di Elaborazione: E+AOD
Erzeugnisprogramm
Making process
Mode d'élaboration

Conferma ordine nr. EI17013409
WerkAuftr. Order/Ref. nr.

Qualità: 630
Werkstoffbezeichnung

Avviso di Spedizione: D-VI18008998
Lieferempfangsbescheinigung

Marca: V174
Markenabzeichnung
Brand / Marque

Sample cond. H900

Tipo Trattamento	Temperatura	Raffreddamento	Permanenza	Tipo Trattamento	Temperatura	Raffreddamento	Permanenza	Tipo Trattamento	Temperatura	Raffreddamento	Permanenza
Werkstoffbehandlung	Temperatur	Abkühlung	Haltezeit	Werkstoffbehandlung	Temperatur	Abkühlung	Haltezeit	Werkstoffbehandlung	Temperatur	Abkühlung	Haltezeit
Treatment Technique	Temperature	Quenching	Retention	Treatment Technique	Temperature	Quenching	Retention	Treatment Technique	Temperature	Quenching	Retention
State	°C	°C	h	State	°C	°C	h	State	°C	°C	h
	920	AIR	8		920	AIR	8		920	AIR	8

TEST	Prova	Temperatura	Temperatura	Temperatura	Temperatura	Temperatura	Temperatura	Temperatura	Temperatura	Temperatura	Temperatura
Prova	Temperatura	Temperatura	Temperatura	Temperatura	Temperatura	Temperatura	Temperatura	Temperatura	Temperatura	Temperatura	Temperatura
Test	Temperature	Temperature	Temperature	Temperature	Temperature	Temperature	Temperature	Temperature	Temperature	Temperature	Temperature
Value	min	max	min	max	min	max	min	max	min	max	min
B	12.5	68	L	189							

Mechanical properties according to ASTM A370.
Delta Ferrite according to AMS 2315.

Analisi chimica

Elemento	Contenuto	Elemento	Contenuto	Elemento	Contenuto	Elemento	Contenuto	Elemento	Contenuto	Elemento	Contenuto
C %	0.031	Si %	0.42	Mn %	0.84	Cr %	15.18	Mo %	0.27	Cu %	3.30
Ni %	4.61	Co %	0.071	P %	0.025	S %	0.001	N %	0.034	Ta %	0.0004
Nb+Ta %	0.276	Cb(Nb) %	0.275								

Ultrasonic volumetric test according to ASTM A388 pass.
Micro and macro etch test : satisfactory.
Produced without class I-II Ozone depleting substances.
Macroetch test per ASTM E340: acceptable.
Furnace calibrated according to AMS-H-6875.
Pyrometry in accordance with AMS2750.
Reduction ratio = 412,7 : 1
Material solution annealed 1905° F for 1h,
air cooled to below 80° F.
Material is DFARS Compliant

Sono state soddisfatte tutte le condizioni richieste
Die gestellten Anforderungen sind erfüllt
The material has been furnished in accordance with the requirements
Le conditions de livraison ont été satisfaites

Controllo antisolfatazione: OK
Verschleißprüfung: spezialanalytisch durchgeführt
Anticorrosion testing performed: OK
Controllo antisolfatazione: OK

Controllo visivo e dimensionale: soddisfatte le esigenze
Brennprüfung und Abmessung: ohne Beanstandung
Visual inspection and dimensional check: satisfactory
Contrôle visuel et dimensionnel: satisfait

Vicenza, 06/03/18

VCO008 - MEST213476

(Mod. MCE2)

Il collaudatore di stabilimento / der Werkstattsverfertiger / Works inspector / L'agent d'usine

M. RIZZOTTO

Pagina - 2 di 3

Certificate of Mill Test Results

Inv: 1387243 Date: 10/12/18
Heat: 274375

STNLS ROUND BAR SRB 17-4.375" x 12"RANDOM



Acciaierie Valbruna S.p.A.

38100 VICENZA (Italia) - Viale della scienza, 26 z.l.
Telefono 0444.988211 - Fax 0444.983838
Stab.: 38100 BOLZANO (Italia) - Via A. Volta, 4/37
Telefono 0471.924111 - Fax 0471.924487

CERTIFICATO DI COLLAUDO - ABNAHMEPRUEFZEUGNIS - INSPECTION CERTIFICATE - CERTIFICAT DE RECEPTION

In conformità a: EN 10204 (2004), 3.1 / ISO 10474 (2013), 3.1

Certificato nr. MEST213476 / 2018 /
Prüfung/Prüfzeugnis

Clienti / Besteller/Purchaser/Client
VALBRUNA STAINLESS INC.
2400 TAYLOR STREET WEST
46801 - FORT WAYNE, IN 46801 - US

Stato di fornitura: Hot rolled - COND. A Centerless
Lieferzustand: Ground
Delivery state: Eut de livraison

Produttore:
Hersteller/Manufacture producer

ACCIAIERIE VALBRUNA S.P.A.

Ordine nr: 56970 STOCK POMPTON
Bestell:
Your order
Commande

Tipo di Elaborazione: E+AOD
Erzeugnisart:
Making process:
Mode d'élaboration

Marchi di Fabbrica:
Zeichen des Lieferwerkes:
Trade mark:
Sigles de l'usine productrice



Conferma ordine nr: EI17013409
Works/Our Order/Ref. nr.

Qualità: 630
Weichheitskategorie:
Grade

Punzone del Collaudatore:
Stempel des Werkstoffverständigen
Inspector's Stamp/Pompeur de l'essayeur

MR

Avviso di Spedizione: D-VI18008998
Lieferanweisung/Shipping instr. L.

Marcia: V174
Werkstoffbezeichnung:
Brand / Marque

Punzonatura: 630
Markierung:
Marking
Marquage

Melted and manufactured in Italy No welding or weld repair Material free from Mercury contamination

We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.

QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER ACCORDING TO ISO 9001 : 2008, IATF 16949 : 2016, AS 9100C

The Quality Management System is Certified acc. Pressure Equipment Directive [97/23/EC] Annex 1, 4.3 and 2014/68/EU by TÜV and LLOYD'S
Any act of tampering, modification, alteration, counterfeiting and/or falsification and/or any other action which modifies the contents of this test certificate shall constitute a violation of applicable civil and criminal laws. Acciaierie Valbruna shall protect its rights and interests before any competent court, authority and jurisdiction.
Maximal and/or Valplus grades/products are manufactured with ladle techniques to control composition, distribution, size and shape of non-metallic inclusions for improved machinability.
The supplied product conforms to requirements expressly requested by the purchaser and conforms to requirements specified by certified norms and standards. Should the product be used for more severe, critical and/or in any case different applications than those the material is generally intended for, any different and/or supplementary requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser. Acciaierie Valbruna SpA shall not be responsible for any improper use of the Products.

Vicenza, 06/03/18
VCQ008 - MEST213476

(Mod. MCE2) 10/07/2018 09:00/10/12/2018

Il collaudatore di stabilimento / der Werkstoffverständigen / Works Inspector / L'agent d'usine

M. RIZZOTTI *[Signature]*

Pagina - 3 di 3

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 17-4 PH / S17400 / TYPE 630 SS ROUND BAR
GRAIN MUST BE ALONG LENGTH OF BAR
MINIMUM YIELD STRENGTH PER TABLE
MINIMUM ULTIMATE STRENGTH PER TABLE

SPECIFICATION: AMS 5643 OR ASTM A564

PART NUMBER: M17-4-1 HHHH-R X XXX COND O.D. WHERE: HHHH SPECIFIES THE MATERIAL CONDITION (PER TABLE BELOW)
X XXX = DIAMETER (IN INCHES)

MATERIAL CONDITION TABLE:

CODE	CONDITION	MIN YIELD STRENGTH (KSI)	MIN ULTIMATE TENSILE STRENGTH (KSI)
(OMITTED)	NONE SPECIFIED (CONDITION A NOT ACCEPTABLE)	100	150
H900	H900	170	190
H925	H925	155	170
H1025	H1025	145	155
H1075	H1075	125	145
H1100	H1100	115	140
H1150	H1150	105	135
CONDA	CONDITION A (SOLUTION TREATED)		

NOTES: MATERIAL IN H900 AND H925 CONDITION NOT RECOMMENDED FOR
TENSION OR SHEAR APPLICATIONS IN COLD WEATHER CONDITIONS
MATERIAL IN H900 AND H925 CONDITION NOT RECOMMENDED FOR
APPLICATIONS WHERE STRESS CORROSION CRACKING IS POSSIBLE
CONDITION A NOT TO BE USED IN DESIGN FOR FINAL PRODUCT AND
SHOULD ALWAYS BE HEAT TREATED

EXAMPLES:

PART
4.000" DIAMETER BAR MIN YTS = 150 KSI, MIN YTS = 100 KSI
2.500" DIAMETER BAR H900 CONDITION
3.250" DIAMETER BAR H1025 CONDITION
0.750" DIAMETER BAR A CONDITION

C	ADDED MATERIAL CONDITION (CR17-107)	NO	17.09.14
B	REFORMAT DWG. S17400 (TYPE 630) TO PURCHASE MATERIAL (ZN D6-1), ADD ASMA SPEC (CS-1).	VS	10.05.20
A	NEW ISSUE	CP	05.03.16
REV	DESCRIPTION	BY	DATE
DESIGN	NO		
DRAWN	NO		
CHECKED	CP		
MFG. APPR.	RA		
APPROVED	WM		
DE APPR.	CP		
DATE	17.09.14		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M17-4-R			
SHEET 1 OF 1			
SCALE NTS			
REV. C			
17-4 SS ROUND BAR			
COPYRIGHT © 2005 BY DART AEROSPACE LTD			
NOT TO BE USED FOR ANY PURPOSES OR OPERATIONS WITHOUT THE EXPRESS WRITTEN			

APPROVED
RELEASED
2017-10-31
E(m17-728)

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M17-4-R0.375
 DATE: 18/10/18

PO / BATCH NO.: P0041171/S11925

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 12ft
 QUANTITY INSPECTED: 12ft
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.375"
 THICKNESS RECEIVED: 0.375"
 SHEET SIZE ORDERED: -
 SHEET SIZE RECEIVED: -

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	N	AMS 5643
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	MT: 274375
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u>	SIGNED OFF BY: _____
DATE: <u>18/10/18</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

112384

Dart

20148N

(3)

sij | acroni

10073155-20014470-50671

Izdajatelj / Certificate:
Originator of inspection Document:
Aussteller der Bescheinigung:SIJ ACRONI d.o.o.
KRT-KAKOVOST
Cesta Borisa Kidriča 44
SI - 4270 Jesenice
Slovenia, EUTel: +386 4 584 10 16
Fax: +386 4 584 10 71
E-mail: gorazd.luscek@acroni.si
W: <http://www.acroni.si>

Page 1/3

Prejemalec / Consignee / Empfänger
PENN STAINLESS PRODUCTS
190 KELLY ROAD
PA18951 QUAKERTOWN
UNITED STATES

Št. dokumenta / Document No. / Bescheinigungs Nr.
10073155-20014470-50671 z / dated / vom 24.11.2017

Kupčeva št. naročila / Purchaser's order No. / Kundenbestell Nr.
PO29150

Št. dobavnega lista / Packing list No. / Lieferschein Nr.
10073155 z / dated / vom 24.11.2017

Št. računa / Account No. / Kontonummer
1720101025146

Datum izdaje / Date of issue / Ausgabedatum
24.11.2017

Izdelek / Product / Erzeugnis
DEBELA PLOČEVINA / HOT ROLLED PLATE / WARMGEWALZTES GROBBLECH

Zahteva / Requirements / Anforderungen
ASTM A582/A582M-12
ASTM A895-1989(2009)
EN 10088-2:2014

Oznaka jekla / Steel designation / Stahlbezeichnung
S30300 303
S30300 303

Customer Grade
HOT ROLLED STAINLESS STEEL ASME SA
240 TP 303

Specifikacija kupca / Customer specification No. / Kundenspezifikation
Dodane zahteve / Supplementary requirements / Zusätzliche Anforderungen
Dodano stanje / Product delivery condition / Lieferzustand des Erzeugnisses
TOPLINO ŽARJENO, LUŽENO / SOLUTION ANNEALED, PICKLED / LÖSUNGSGEGLÜHT, GEBEIZT

Stanje površine / Surface finish / Oberflächenbehandlung
ASTM Finish: 1 - on both sides
EN Surface: 1D - on both sides

Popravljanje z varjenjem ni dovoljeno / No weld repair / Keine Schweißreparatur

Oznake izdelka / Marking of the product / Kennzeichnung des Erzeugnisses

Znak proizvajalca Manufacturer's mark Zeichen des Herstellers	Oznaka jekla Steel designation Stahlbezeichnung	Št. plošče Plate No. Tafel Nr.	Št. sarže Heat No. Schmelzen Nr.	Dimenzije izdelka Product dimensions Abmessungen des Erzeugnisses	Zig kontrolorja Stamp of the works inspector Stempel des Werksachverständigen	Zig prevzemalca Stamp of the inspection representative Stempel des Abnahmebeauftragten
SIJ ACRONI						

Dodatne oznake / Other marks / Andere Kennzeichen

Obseg dobave / Extent of material delivery / Umfang der Lieferung

Poz. Item Pos.	Št. Sarže Heat No. Schmelzen Nr.	Št. plošče Plate No. Tafel Nr.	Teoretična teža Mass Masse	Teža neto Actual mass Ist. Masse	Dimenzije izdelka Product dimension Maße des Erzeugnisses	Št. kosov No. of pieces Stückzahl	Št. vzorcev Sample No. Probe Nr.
6	302859	1732827601	3067.66	3067.66	1.500 / 78.00 / 200.00	1	1732827601

Način izdelave jekla / Steelmaking process / Stahlherstellungsverfahren E + VOD

SIJ ACRONI d.o.o.
Cesta Borisa Kidriča 44
SI-4270 Jesenice
Prodavnica / Works / Inspector / Verkaufsstelle / Verkaufsstelle
Dr. Gorazd Lusceksij | acroni
SIJ ACRONI d.o.o.
Cesta Borisa Kidriča 44
SI-4270 Jesenice
Slovenia, EU

heat: 302859

Certificate of Mill Test Results

Inv: 1387243 Date: 10/12/18
Heat: 302859

STNLS PLATE SPLM 303 1.5" x 3-1/2" x 48"

Certificate of Mill Test Results

Inv: 1387243 Date: 10/12/18
Heat: 302859

STNLS PLATE SPLM 303 1.5" x 3-1/2" x 48"

sij | acroni

10073155-20014470-50671

Issued by: Certificate
Originator of Inspection Document
Aussteller der Bescheinigung:

SJ ACRONI, d.o.o.
KRT-KAKOVOST
Cesta Barice Kidriča 44
SI - 4270 Jesenica
Slovenia, EU

Tel.: +386 4 584 10 16
Fax: +386 4 584 10 71
E-Mail: posred@sj.si
W: <http://www.sj.si>

Page 2/3

Pogoji toplotne obdelave / Heat treatment details / Wärmebehandlung Details
HEAT TREATMENT: SOLUTION ANNEALED AT min. 1925°F WATER QUENCHED
Lot Numbers : 1732827601

Mehanske lastnosti pri sobni temperaturi / Mechanical properties at room temperature / Mechanische Eigenschaften bei Raumtemperatur													
Sl. serije Heat No. Schmelzen Nr.	Sl. vzorca Sample No. Probe Nr.	Smr vzorca Sample orientation Proben lage	Meja plastičnosti Yield or proof strength Streck- oder Dehngrenze (KSI)	Nal. trdnost Tensile str. Zugfestigkeit (KSI)	Zg. meja plastičnosti Upper Yield strength Obere Streckgrenze (KSI)	Kontrakcija Reduction of area Bruchseh- nung (%)	Radežek Elongation Bruchdehnung (%)	Razmerje Ratio Beziehung	Trdota Hardness Härte				
		T/L T/B 1/2, 1/4; S2	Rp0.2 Rp1.0	Rm	Roh	Z	A5 A50 A80	Rp/Rm	HBW				
Zahteva Requirements Anforderung	MIN		27.56 53.36	72.52			35.0						
	MAX			101.53						202			
302859	1732827601	T	54.23 59.74	78.61		63	55.0			146			
T- Prečno / Transverse / Quer L- Vzdolžno / Longitudinal / Längs T- Glava / Top / Kopf B- Noga / Bottom / Fuss 1/2 - Odvzem vzorca na sredini / Taking the sample at the center of product / Unter der Probe in der Mitte des Produkt 1/4 - Odvzem vzorca po deb. 1/4 pod površino / Thickness 1/4 under the surface / Dicke 1/4 unter der Oberfläche S2 - Odvzem vzorca po deb. 2 mm pod površino / Thickness 2 mm under the surface / Dicke 2 mm unter der Oberfläche													

Kemična Analiza / Chemical Composition / Chemische Zusammensetzung									
Sl. Serije Heat No. / Schmelzen Nr.	302859								
WC	%S	%Mn	%P	%S	%C	%H	%Cu	%Ni	
0.031	0.500	1.710	0.033	0.2510	17.07	0.26	0.290	0.0612	

Kontrola oznak, identifikacije, površine, oblike in dimenzij / Control of marking and identification, surface appearance, shape and dimensional properties / Prüfung von Kennzeichnung, Identifizierung, Oberfläche, Form und Maße:
ASME SA 480 Ed.2015 OK
ASTM A480/A480M-16a OK

SJ ACRONI d.o.o.
Cesta Barice Kidriča 44
SI-4270 Jesenica
Podpisalnik / Works Inspector / Werkstaudversandspst:
Dr. Goran Kocur

sij | acroni

SJ ACRONI d.o.o.
Cesta Barice Kidriča 44
SI-4270 Jesenica
Slovenia, EU

Certificate of Mill Test Results

Inv: I387243 Date: 10/12/18
Heat: 302859

STNLS PLATE SPLM 303 1.5" x 3-1/2" x 48"

sij | acroni

10073155-20014470-50671

Izdajatelj / Certificate:
Originator of Inspection Document:
Aussteller der Bescheinigung:

SIJ ACRONI d.o.o.
KRT-KAKOVOST
Cesta Borisa Kidriča 44
SI-4270 Jesenice
Slovenia, EU

Tel.: +386 4 584 10 10
Fax: +386 4 584 10 71
E-Mail: info@www.acroni.si
W: <http://www.acroni.si>

Page 3 / 3

Opombe / Remarks / Bemerkungen

Potvrjujemo da dobavljeni izdelki ustrezajo zahtevam naročila / We confirm herewith that the delivered products comply with the purchase order / Es wird bestätigt, daß die Erzeugnisse den Bestellanforderungen entsprechen
Država porekla = Država izdelave taline = Država izdelave slaba - SLOVENIJA - EU / Country of Origin = Country of melt = Country of slab: SLOVENIA - EU /
Herkunftsland = Land der Schmelze = Land der Branne - SLOVENIA - EG
Material ni kontaminiran z žvirom srebrom. / Free from Known Contamination with Mercury. / Keine Kontamination mit Quecksilber.
Material je skladen z RoHS direktivo. Podrobnosti na: <http://www.acroni.si/en/data/files/1370588262.pdf> / Material fully comply with RoHS directive, Details on: <http://www.acroni.si/en/data/files/1370588262.pdf> / Material ausgestattet mit RoHS-Richtlinien, Einzelheiten auf: <http://www.acroni.si/en/data/files/1370588262.pdf>

Sistem vodenja kakovosti je certificiran po ISO 9001. Št. Certifikata: 12 100 6200 TMS. Izdajatelj: TÜV SÜD Management Service GmbH. / Quality Management System is certified according to ISO 9001. Certificate no. 12 100 6200 TMS, issued by TÜV SÜD Management Service GmbH. / Qualitätsmanagementsystem zertifiziert nach ISO 9001. Zertifikat Nr. 12 100 6200 TMS der TÜV SÜD Management Service GmbH.

DFARS compliant per 252.225.7003 and 252.225.872-1

Meritev sevanja: NI RADIOAKTIVNEGA-ONESNAŽENJA / Measuring Radiation: NO RADIOACTIVE CONTAMINATION / messen: KEINE ERHÖHTE RADIOAKTIVITÄT

Spektrometerska analiza PMI v skladu API RP 578: OK / Spectrometer Sorting Test PMI according API RP 578: OK / Spektrometer Sortieretest PMI nach API RP 578: OHNE BEANSTANDUNG

Vizualni pregled: OK / Visual inspection: OK / Sichtprüfung: OHNE BEANSTANDUNG

SIJ ACRONI d.o.o.
Cesta Borisa Kidriča 44
SI-4270 Jesenice
Problemlöser / Work Inspector / Werkstoff-Verständiger /
Dr. Gorazd Konec

acroni
SIJ ACRONI d.o.o.
Cesta Borisa Kidriča 44
SI-4270 Jesenice
Slovenia, EU

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 303 SS BAR
(NOTE: AISI 304/316 NOT ACCEPTABLE)

SPECIFICATION: ASTM A582

PART NUMBER: M303B TTT | X | WWW | WWW |
THICK | WIDTH

WHERE "T.TTT" = THICKNESS IN INCHES
AND "WWW.WWW" = WIDTH IN INCHES
EG. 0.5" x 3.0" BAR = M303B0.500X03.000

RELEASED
R 2010-02-02
MP

B	REFORMAT DWG. ADD SPECS (ZIN D8 1), REF PART 08-020A	CP	10 01 05
A	NEW ISSUE	DS	02 05 29
REV	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG APPR			
APPROVED			
DE APPR			
DATE	10.01.05		

DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWING NO.	M303B
TITLE	303 BAR
SCALE	MTS
REV. B	SHEET 1 OF 1
COPYRIGHT © 2002 BY DART AEROSPACE LTD	

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M302B 1.500 x 3.500
 DATE: 18/10/19

PO / BATCH NO.: P00411715119738

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 4ft
 QUANTITY INSPECTED: 4ft
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.500"
 THICKNESS RECEIVED: 1.500"
 SHEET SIZE ORDERED: -
 SHEET SIZE RECEIVED: -

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	
CORROSION	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	ASTM A582
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	
PHOTO REQUIRED	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	HT: 302B59
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AK</u>	SIGNED OFF BY: _____
DATE: <u>18/10/19</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in